APPENDIX C TO CONSENT DECREE
Integrated Wet Weather Control Plan

Control Measures		Description of Control Measures	Affected Overflows/ Outfalls[1]	Design Criteria[4, 5, 8]	Performance Criteria[2]	Stage[6]	Critical Milestone for Achievement of Full Operation
1	East Side Relief Sewer (ESRS)	Finish construction of the ESRS, which is the sewer system that will provide flow relief to the East Side Interceptor.	*193, 194, 199, 202, 203, 204, 205, 206, 207, 208, 209, 211, 213, 214, 217, 219, 220, 221, 240, 281,* 100, 101, 189, 190	Finish constructing the ESRS system such that all relief sewer pipes will be no more than 70% full during the 10-year, 2-hour design storm and according to the following minimum diameter and approximate length specifications for each ESRS phase and location: 1. ESRS Phase 1: a. Phase 1d: minimum diameter of 66 inches and approximate length of 5,300 feet. 2. ESRS Phase 2: a. Gulf Road, between Poplar Street and Ohio Street: minimum diameter of 66 inches and approximate length of 2,300 feet; and b. Gulf Road, between Ohio Street and East Bridge Street, East Bridge Street between Gulf Road and East River Street, and East River Street between East Bridge Street and Clark Street: minimum diameter of 60 inches and approximate length of 2,700 feet. 3. ESRS Phase 3: a. Phase 3a: i. Park Place, Broad Street and Park Avenue between Clark Street and Cambridge Avenue: minimum diameter of 48 inches	1. For each Overflow that the Agencies consider to be an SSO: demonstration of SSO elimination using a 10-year, 2-hour storm; and 2. For each Overflow that the Agencies consider to be an CSO: a. $\leq$ 4 CSOs in a typical year[7]; and b. Footnote 3.	**I**	Phase 1: December 31, 2024 Phase 2: December 31, 2028 Phases 3 and 4: December 31, 2031

Control Measures		Description of Control Measures	Affected Overflows/ Outfalls[1]	Design Criteria[4, 5, 8]	Performance Criteria[2]	Stage[6]	Critical Milestone for Achievement of Full Operation
				and approximate length of 1,600 feet; and ii. Park Avenue between Cambridge Avenue and Columbia Avenue: minimum diameter of 36 inches and approximate length of 2,300 feet. b. Phase 3b: i. Clark Street between East River Street and Winkles Street: minimum diameter of 42 inches and approximate length of 2,500 feet; and ii. Winkles Street between Clark Street and overflow 281 near Cleveland Street: minimum diameter of 24 inches and approximate length of 2,100 feet. c. Phase 3c: minimum diameter of 18 inches and approximate length of 3,000 feet. 4. Phase 4: a. Phase 4a: minimum diameter of 30 inches and approximate length of 1,300 feet; b. Phase 4b: i. Columbia Avenue between East River Street and Sherman Street: minimum diameter of 18 inches and approximate length of 700 feet; and ii. Columbia Avenue between Sherman Street and Park Avenue: minimum diameter of			

Control Measures		Description of Control Measures	Affected Overflows/ Outfalls[1]	Design Criteria[4, 5, 8]	Performance Criteria[2]	Stage[6]	Critical Milestone for Achievement of Full Operation
				30 inches and approximate length of 900 feet. c. Phase 4c: minimum diameter of 18 inches and approximate length of 820 feet. Locations of the segments identified in 1.a through 1.d, above, are shown in the ESRS Proposed Alignment Diagram, dated March 25, 2022, contained in Attachment 1 of this Appendix.			
2	Overflow 132 Storm Sewer Construction and Rainfall Derived Inflow and Infiltration (RDI/I) Control	Within the Overflow 132 Corrective Action Area, disconnection of stormwater catch basins from the combined sewer and connection of the stormwater catch basins to the storm sewer.	132	Complete the following work within the Overflow 132 Corrective Action Area as described below: 1. Disconnect five stormwater catch basins that are connected to the combined sewer. Connect the stormwater catch basins to the existing storm sewer. Overflow 132 Corrective Action Area is shown in Attachment 2 to this Appendix	1. ≤ 4 CSOs in a typical year; and 2. Footnote 3.	**I**	Complete
3	Overflow N6 RDI/I Control, Construction of a New Lift Station, and Sewer System Improvements and Improvements	1. Implementation of RDI/I work 2. Installation of a second lift station to increase wet weather pumping capacity of the Overbrook Road Lift Station.	*N6*	Complete the following work within the Overflow N6 Corrective Action Area as described below: 1. Implement RDI/I control work as described below: a. disconnect all stormwater catch basins that are connected to the sanitary sewer, the number of which is estimated to be 4.	Demonstration of SSO elimination using a 10-year, 2-hour storm.	**I**	December 31, 2023

Control Measures		Description of Control Measures	Affected Overflows/ Outfalls[1]	Design Criteria[4, 5, 8]	Performance Criteria[2]	Stage[6]	Critical Milestone for Achievement of Full Operation
		3. Increase size of gravity sewer at force main discharge		b. disconnect all property roof drains, the number of which is estimated to be 31. 2. Construct a second lift station with minimum firm capacity (i.e., minimum pumping capacity with the largest pump out of service) of 220 gallons per minute (GPM). 3. Replace 800 linear feet of 8-inch sanitary sewer with 10-inch sanitary sewer along Overbrook Road at the location of the discharge from force main to increase capacity. Overflow N6 Corrective Action Area is shown in Attachment 3 to this Appendix			
4	Elyria wastewater treatment plant (WWTP) improvements	Implementation of the following improvements at the Elyria WWTP: 1. Increase wet weather flow conveyance capacity to the WWTP Intermediate Storage Tanks. 2. Upgrade the WWTP to provide a peak treatment	WWTP Outfall 001	Implement the following improvements at the Elyria WWTP as described below: 1. Install the necessary additional piping and structures to allow the conveyance of a peak flow of at least 10 MGD from the East Screening Building (a.k.a., East Headworks Building) to the Intermediate Storage Tanks, which are the tanks that formerly were intermediate clarifiers. 2. Upgrade the WWTP treatment capacity to provide sustained full treatment (i.e., continuous treatment	Provide full treatment for all flows up to 40 MGD through the WWTP. Whenever flow to the WWTP exceeds 40 MGD, provide sustained full treatment for flow rate of 40 MGD through the WWTP to meet Elyria's NPDES permit effluent limits.	**I**	December 31, 2026

Control Measures		Description of Control Measures	Affected Overflows/ Outfalls[1]	Design Criteria[4, 5, 8]	Performance Criteria[2]	Stage[6]	Critical Milestone for Achievement of Full Operation
		capacity of 40 million gallons per day (MGD).		of flows through preliminary, primary, and secondary treatment followed by disinfection for a minimum of 24 hours) of 40 MGD by making all necessary improvements and changes to the following WWTP processes, operations, infrastructure, and equipment: a. Primary settling tanks; and b. Activated sludge aeration tanks			
5	Chemically Enhanced Primary Treatment (CEPT) and High Rate Disinfection (HRD) ("CEPT/HRD")	Provide CEPT in the 1.6 MG wet weather storage tank (WWST) followed by HRD to treat flows that exceed the Elyria WWTP wet weather storage and WWTP treatment capacity.	WWTP Bypass Outfall 003	1. Install all necessary additional headworks and screening structures and equipment to accommodate flows up to124 MGD peak wet weather flow to the CEPT/HRD system. 2. Provide CEPT followed by HRD to treat wet weather flows that exceed the WWTP treatment capacity. The CEPT/HRD shall have a treatment capacity of 124 MGD and a surface overflow rate (SOR) of 7,000 gallons per day per square foot (gpd/ft^2). 3. Design, install, and implement all necessary hydraulic and structural modifications to the existing 1.6 million-gallon (MG) WWST; and install and construct all necessary new infrastructure to implement CEPT for flows up to 124 MGD and to meet the Performance Criteria.	**1**. Numeric Performance Criteria **a**. Except as provided in 1.b below, the following Numeric Performance Criteria apply for the duration of the Consent Decree: **i.** The 7-day arithmetic mean of Qualifying Samples collected and analyzed on a continuous, rolling basis in accordance with Section 3 of Appendix D shall not exceed 40 mg/l total suspended solids (TSS); **ii.** The 7-day geomean of Qualifying Samples collected and analyzed on a continuous rolling basis in accordance with Section 3 of Appendix D shall not exceed 284/100 ml E. coli when chlorinating; and **iii.** Total residual chlorine (TRC) shall not exceed 0.038 mg/l in any sample collected and analyzed in accordance with Section 3 of Appendix D, when chlorinating. If Elyria has received approval from EPA and Ohio	**I**	December 31, 2034

Control Measures		Description of Control Measures	Affected Overflows/ Outfalls[1]	Design Criteria[4, 5, 8]	Performance Criteria[2]	Stage[6]	Critical Milestone for Achievement of Full Operation
				4. Design, install, and implement the HRD system, which shall be comprised of a chlorine contact basin(s) to chlorinate, and a dechlorination feed system to subsequently dechlorinate, the CEPT effluent for flows up to 124 MGD and to meet the Performance Criteria. If Elyria has identified an alternative disinfection technology that Elyria would like to use instead of chlorination (and dechlorination) in the HRD system, Elyria shall seek approval from EPA and Ohio EPA to use the selected alternative disinfection technology. Elyria shall seek approval from the Agencies as soon as possible and prior to designing the HRD system. 5. Install all necessary chemical (e.g., coagulant, flocculant, chlorination, dechlorination, etc.) feed and mixing equipment and tankage to implement CEPT/HRD for flows up to 124 MGD and to meet the Performance Criteria.	EPA to use an alternative disinfection technology that is not a chlorine-based disinfectant, Elyria shall be responsible for meeting the Numeric Performance Criteria of the appropriate alternative disinfection residual parameter at the concentration necessary to meet the appropriate Water Quality Criteria established by the State of Ohio for the Lake Erie Basin. **b.** Following the CM 5 Phase 1 Post-Construction Monitoring Period described in Section 3 of Appendix D and for the duration of the Consent Decree thereafter, any NPDES permit effluent limitations for TSS, E. coli, and/or TRC (or the appropriate alternative disinfection residual parameter) apply instead of the Numeric Performance Criteria set forth above, if both: **i.** There is an NPDES permit with numeric effluent limitations and monitoring requirements for discharges from the CEPT/HRD for the specific parameter – TSS, E. coli and/or TRC (or the appropriate alternative disinfection residual parameter) – that are legally in effect (i.e., the limitations and requirements are not stayed) and those effluent limitations and monitoring requirements do not include, incorporate or otherwise account for flows that do not go through the CEPT/HRD; and **ii.** Elyria provides written notification to the U.S. EPA and Ohio EPA in accordance		

Control Measures		Description of Control Measures	Affected Overflows/ Outfalls[1]	Design Criteria[4, 5, 8]	Performance Criteria[2]	Stage[6]	Critical Milestone for Achievement of Full Operation
					with Section XVI (Notices) of the Consent Decree of these facts. The date on which the NPDES permit effluent limits begin to apply in lieu of the Numeric Performance Criteria set forth above for TSS, E. coli and/or TRC (or the appropriate alternative disinfection residual parameter) shall be the date of the written notification, provided that both of these conditions are met. **c.** Nothing in these Numeric Performance Criteria relieves Elyria of any permit obligations. **2.** Operational Performance Criteria **a.** Elyria shall not discharge from the CEPT/HRD until treatment at the WWTP has been maximized up to the WWTP capacity of 40 MGD. b. Elyria shall not discharge from any bypass that conveys flow around the CEPT/HRD or any portion of the WWTP until: (i) treatment at the WWTP has been maximized up to the WWTP treatment capacity of 40 MGD; and (ii) treatment CEPT/HRD has been maximized up to the CEPT/HRD treatment capacity of 124 MGD.		
6	West Side Interceptor Relief Point Regulator Modification	Raising of the weir located at the West Side Interceptor (WSI) overflow relief point (a.k.a., Overflow WSI).	*WSI*	Raise the WSI weir elevation by a minimum of 0.76 feet.	Demonstration of SSO elimination using a 10-year, 2-hour storm.	**I**	December 31, 2027

Control Measures		Description of Control Measures	Affected Overflows/ Outfalls[1]	Design Criteria[4, 5, 8]	Performance Criteria[2]	Stage[6]	Critical Milestone for Achievement of Full Operation
7-1	Mussey Conveyance and Storage for Overflows 147 and 263	1. Construction of a relief sewer system, which is called the Mussey Conveyance, to reduce discharges from Overflows 147 and 263. 2. Construction of storage to reduce discharges from Overflow 147. 3. Construction of storage to reduce discharges from Overflow 263.	*147, 263*	1. Construct all necessary components of the Mussey Conveyance relief sewer system that shall include, at a minimum, the following: a. approximately 4,700 feet of new 24-inch diameter relief sewer in the Overflow 147 Corrective Action Area; and b. approximately 400 feet of new 15-inch diameter relief sewer in the Overflow 263 Corrective Action Area. 2. Construct storage that has a minimum usable capacity of 100,000 gallons to collect and store overflows that would otherwise discharge from Overflow 147. 3. Construct storage that has a minimum usable capacity of 50,000 gallons to collect and store overflows that would otherwise discharge from Overflow 263. Overflows 147 and 263 Corrective Action Areas are shown in Attachments 4 and 5 to this Appendix.	For each Overflow, together with Control Measures 7-2 and 7-3, respectively: demonstration of SSO elimination using a 10-year, 2-hour storm.	**I**	December 31, 2033
7-2	Overflow 147 Storm Sewer Construction and RDI/I Control	Within the Overflow 147 Corrective Action Area:	*147*	Complete the following work within the Overflow 147 Corrective Action Area as described below: 1. Construct a new 12-inch diameter	Together with Control Measure 7-1, demonstration of SSO elimination using a 10-year, 2-hour storm.	**II**	December 31, 2037

Control Measures		Description of Control Measures	Affected Overflows/ Outfalls[1]	Design Criteria[4, 5, 8]	Performance Criteria[2]	Stage[6]	Critical Milestone for Achievement of Full Operation
		1. Construction of new storm sewer. 2. Implementation of RDI/I control work.		storm sewer on Homesite Court and portions of West Avenue and Oberlin Road. The length of new storm sewer required is estimated to be 1,400 feet. 2. Implement RDI/I control work as described below: a. Line the existing mainline sanitary sewer system; which is estimated to be 4,400 feet. b. Disconnect all property roof drains, the number of which is estimated to be 10. c. Disconnect all property footer drains, the number of which is estimated to be 48. d. Line all existing sanitary sewer laterals, the number of which is estimated to be 48. Overflow 147 Corrective Action Area is shown in Attachment 4 to this Appendix.			
7-3	Overflow 263 Storm Sewer Construction and RDI/I Control	Within the Overflow 263 Corrective Action Area: 1. Construction of new storm sewer.	*263* and *344*	Complete the following work within the Overflow 263 Corrective Action Area as described below: 1. Construct a new 12-inch diameter storm sewer on 13th Street, 14th Street, and Bank Street where there are connections to the sanitary sewer,	Together with Control Measure 7-1, demonstration of SSO elimination using a 10-year, 2-hour storm.	**II**	December 31, 2037

Control Measures		Description of Control Measures	Affected Overflows/ Outfalls[1]	Design Criteria[4, 5, 8]	Performance Criteria[2]	Stage[6]	Critical Milestone for Achievement of Full Operation
		2. Implementation of RDI/I control work.		but no storm sewer. The length of new storm sewer necessary is estimated to be approximately 1,900 feet. 2. Implement RDI/I control work as described below: a. Line the existing mainline sanitary sewer system, the length of which is estimated to be 2,000 feet. b. Disconnect all property roof drains, the number of which is estimated to be 5. c. Disconnect all property footer drains, the number of which is estimated to be 14. d. Line all existing sanitary sewer laterals, the number of which is estimated to be 14. Overflow 263 Corrective Action Area is shown in Attachment 5 to this Appendix.			
8	St. Jude and Eastern Heights Neighborhoods RDI/I Control	Implementation of RDI/I control work in the St. Jude and Eastern Heights neighborhoods.	*193, 194, 199, 202, 203, 204, 205, 206, 207, 208, 209, 211, 213, 214, 217, 219, 220, 221,*	1. Implement RDI/I control work in the St. Jude and Eastern Heights neighborhoods as described below: a. Line the existing mainline sanitary sewer system in the St. Jude and Eastern Heights neighborhoods.	Together with Control Measure 1, meet the following Performance Criteria: 1. For each Overflow that the Agencies consider to be an SSO: demonstration of SSO elimination using a 10-year, 2-hour storm; and	**I**	St. Jude I/I and Eastern Heights I/I December 31, 2034

Control Measures		Description of Control Measures	Affected Overflows/ Outfalls[1]	Design Criteria[4, 5, 8]	Performance Criteria[2]	Stage[6]	Critical Milestone for Achievement of Full Operation
			240, 281, 100, 101, 189, 190	b. Disconnect all property roof drains, the number of which is estimated to be 1,235. The St. Jude and Eastern Heights neighborhoods are shown in Attachment 6 to this Appendix.	2. For each Overflow that the Agencies consider to be a CSO: a. ≤ 4 CSOs in a typical year upon completion of all phases of the ESRS; and b. Footnote 3.		
9	Overflow 102 Storage	Construction of storage to reduce discharges from Overflow 102.	102	Construct storage to collect and store a minimum overflow volume of 50,000 gallons that would otherwise discharge from Overflow 102.	1. ≤ 4 CSOs in a typical year; and 2. Footnote 3.	**II**	December 31, 2037
10	West River Road Sanitary Sewer Bottleneck Removal	Replacement of existing sanitary sewer along West River Road to increase conveyance capacity.	114	Replace approximately 1,000 feet of existing 12-inch diameter sanitary sewer along West River Road with 15-inch diameter sanitary sewer to increase sanitary sewer conveyance capacity along West River Road.	1. ≤ 4 CSOs in a typical year; and 2. Footnote 3.	**II**	December 31, 2037
11	Overflow 120 Storage	Construction of storage to reduce discharges from Overflow 120.	120	Construct storage that has a minimum usable capacity of 10,000 gallons to collect and store overflows that would otherwise discharge through Overflow 120.	1. ≤ 4 CSOs in a typical year; and 2. Footnote 3.	**II**	December 31, 2037
12-1	Overflow 133 Storage	Construction of storage to reduce discharges from Overflow 133.	133	Construct storage that has a minimum usable capacity of 110,000 gallons to collect and store overflows that would otherwise discharge through Overflow 133.	Together with Control Measure 12-2, meet the following Performance Criteria: 1. ≤ 4 CSOs in a typical year; and 2. Footnote 3.	**II**	December 31, 2040
12-2	Overflow 133 RDI/I Control	Within the Overflow 133 Corrective Action Area, implementation of RDI/I control	133	Complete the following work within the Overflow 133 Corrective Action Area: 1. Implement RDI/I control work as described below:	Together with Control Measure 12-1, meet the following Performance Criteria: 1. ≤ 4 CSOs in a typical year; and 2. Footnote 3.	**II**	December 31, 2040

Control Measures		Description of Control Measures	Affected Overflows/ Outfalls[1]	Design Criteria[4, 5, 8]	Performance Criteria[2]	Stage[6]	Critical Milestone for Achievement of Full Operation
		work.		a. Line the existing mainline sanitary sewer system; the length of which estimated to be 2,700 feet. b. Line all existing sanitary sewer laterals, the number of which is estimated to be 24. c. Perform localized the necessary spot sewer repair on Tremont Street prior to lining the sanitary sewer system per item 1.a, above. Overflow 133 Corrective Action Area is shown in Attachment 7 to this Appendix.			
13	Overflow 146 Storage	Construction of storage to reduce discharges from Overflow 146.	146	Construct storage that has a minimum usable capacity of 80,000 gallons to collect and store overflows that would otherwise discharge from Overflow 146.	1. ≤ 4 CSOs in a typical year; and 2. Footnote 3.	**II**	December 31, 2037
14	Overflow 182 Storage	Construction of storage to reduce discharges from Overflow 182.	182	Construct storage to collect and store a minimum overflow volume of 10,000 gallons that would otherwise discharge from Overflow 182.	1. ≤ 4 CSOs in a typical year; and 2. Footnote 3.	**II**	December 31, 2037
15	Overflow 121A Storm Sewer Construction and RDI/I Control	Within the Overflow 121A Corrective Action Area: 1. Construction of new storm sewer.	*121A*	Complete the following work within the Overflow 121A Corrective Action Area as described below: 1. Construct a new 12-inch diameter storm sewer on Bond Street from Adams Street to the alley between	Demonstration of SSO elimination using a 10-year, 2-hour storm.	**II**	December 31, 2044

Control Measures		Description of Control Measures	Affected Overflows/ Outfalls[1]	Design Criteria[4, 5, 8]	Performance Criteria[2]	Stage[6]	Critical Milestone for Achievement of Full Operation
		2. Implementation of RDI/I controls work.		Adams Street and Jefferson Street. The length of new storm sewer required is estimated to be approximately 100 feet. 2. Implement RDI/I control work as described below: a. Line the existing mainline sanitary sewer system, the length of which is estimated to be 1,900 feet. b. Disconnect all property roof drains, the number of which is estimated to be 1. c. Disconnect all property footer drains, the number of which is estimated to be 15. d. Line all existing sanitary sewer laterals, the number of which is estimated to be 15. Overflow 121A Corrective Action Area is shown in Attachment 8 to this Appendix.			
16	Overflow 238 Storm Sewer Construction and RDI/I Control	Within the Overflow 238 Corrective Action Area, implementation of RDI/I control work.	*238*	Complete the following work within the Overflow 238 Corrective Action Area as described below: 1. Implement RDI/I control work as described below:	Demonstration of SSO elimination using a 10-year, 2-hour storm.	**II**	December 31, 2044

Control Measures		Description of Control Measures	Affected Overflows/ Outfalls[1]	Design Criteria[4, 5, 8]	Performance Criteria[2]	Stage[6]	Critical Milestone for Achievement of Full Operation
				a. Line the existing mainline sanitary sewer system, the length of which is estimated to be 4,700 feet. b. Disconnect all property roof drains, the number of which is estimated to be 41. c. Disconnect all property footer drains, the number of which is estimated to be 165. d. Line all existing sanitary sewer laterals, the number of which is estimated to be 165. Overflow 238 Corrective Action Area is shown in Attachment 9 to this Appendix.			
17	Overflow 239 Storm Sewer Construction and RDI/I Control	Within the Overflow 239 Corrective Action Area: 1. Construction of new storm sewer. 2. Implementation of RDI/I control work.	*239*	Complete the following work within the Overflow 239 Corrective Action Area: 1. Construct a new 15-inch diameter storm sewer on Arlington Court and parts of Salem, Georgetown, and Jamestown Avenues. The length of the new storm sewer necessary is estimated to be approximately 3,300 feet. 2. Implement RDI/I control work as described below:	Demonstration of SSO elimination using a 5-year, 2-hour storm.	**II**	December 31, 2044

Control Measures		Description of Control Measures	Affected Overflows/ Outfalls[1]	Design Criteria[4, 5, 8]	Performance Criteria[2]	Stage[6]	Critical Milestone for Achievement of Full Operation
				a. Line the existing mainline sanitary sewer system, the length of which is estimated to be 7,400 feet. b. Disconnect all property roof drains, the number of which is estimated to be 126. c. Disconnect all property footer drains, the number of which is estimated to be 238. d. Line all existing sanitary sewer laterals, the number of which is estimated to be 238. Overflow 239 Corrective Action Area is shown in Attachment 10 to this Appendix.			
18	Overflow 260A Relocation, Sewer System Improvements, and RDI/I Control	Within the Overflow 260A Corrective Action Area: 1. Abandonment and sealing of current Overflow 260A location. 2. Relocation of Overflow 260A. 3. Construction of new storm sewer.	*260A*	Complete the following work within the Overflow 260A Corrective Action Area: 1. Abandon and seal the current Overflow 260A location including sand fill approximately 800 feet of the existing 8-inch diameter combined sewer on Earl Court from West Avenue to the current existing Overflow 260A. 2. Relocate Overflow 260A to downstream end of West 6th Street near West Avenue where it connects to the combined sewer in West Avenue to exclude local neighborhood	Demonstration of SSO elimination using a 10-year, 2-hour storm.	**II**	December 31, 2040

Control Measures		Description of Control Measures	Affected Overflows/ Outfalls[1]	Design Criteria[4, 5, 8]	Performance Criteria[2]	Stage[6]	Critical Milestone for Achievement of Full Operation
		4. Disconnection of stormwater catch basins from the combined sewer and connection to storm sewer. 5. Implementation of RDI/I control work.		flow. 3. Construct approximately 900 feet of new 15-inch diameter storm sewer on 6th Street and Earl Court from West Avenue to the Black River. 4. Disconnect all stormwater catch basins that are connected to the abandoned combined sewer and connect the stormwater catch basins to the newly constructed storm sewer. 5. Implement RDI/I control work as described below: a. Line the existing mainline sanitary sewer system along West 6th Street, Earl Court and the easement between Earl Court and West 6th Street. The length of sewer required to be lined is estimated to be 1,300 feet. b. Disconnect all property roof drains, the number of which is estimated to be 1. c. Disconnect all property footer drains, the number of which is estimated to be 8. d. Line all existing sanitary sewer laterals, the number of which is estimated to be 8.			

Control Measures		Description of Control Measures	Affected Overflows/ Outfalls[1]	Design Criteria[4, 5, 8]	Performance Criteria[2]	Stage[6]	Critical Milestone for Achievement of Full Operation
				Overflow 260A Corrective Action Area is shown in Attachment 11 to this Appendix.			
19	Overflow 312 RDI/I Control	Implementation of RDI/I control work in the Overflow 312 RDI/I Corrective Action Area.	*312*	1. Implement the following RDI/I control work in the Overflow 312 Corrective Action Area as described below: a. Line the existing mainline sanitary sewer system, the length of which is estimated to be 1,400 feet. b. Disconnect all property roof drains, the number of which is estimated to be 21. c. Disconnect all property footer drains, the number of which is estimated to be 21. d. Line all existing sanitary sewer laterals, the number of which is estimated to be 21. Overflow 312 Corrective Action Area is shown in Attachment 12 to this Appendix.	Demonstration of SSO elimination using a 10-year, 2-hour storm.	**II**	December 31, 2040
20-1	Hemlock Drive Pump Station Wet Well Expansion	Expansion of the Hemlock Drive Pump Station wet well capacity.	*310*	Expand the Hemlock Drive Pump Station wet well capacity to add an additional 80,000 gallons of usable wet well storage.	Together with Control Measure 20-2, demonstration of SSO elimination using a 10-year, 2-hour storm.	**II**	December 31, 2040
20-2	Overflow 310 RDI/I Control	Implementation of RDI/I control work in the Overflow 310	*310*	1. Implement RDI/I control work in the Overflow 310 Corrective Action Area as described below:	Together with Control Measure 20-1, demonstration of SSO elimination using a 10-year, 2-hour storm.	**II**	December 31, 2040

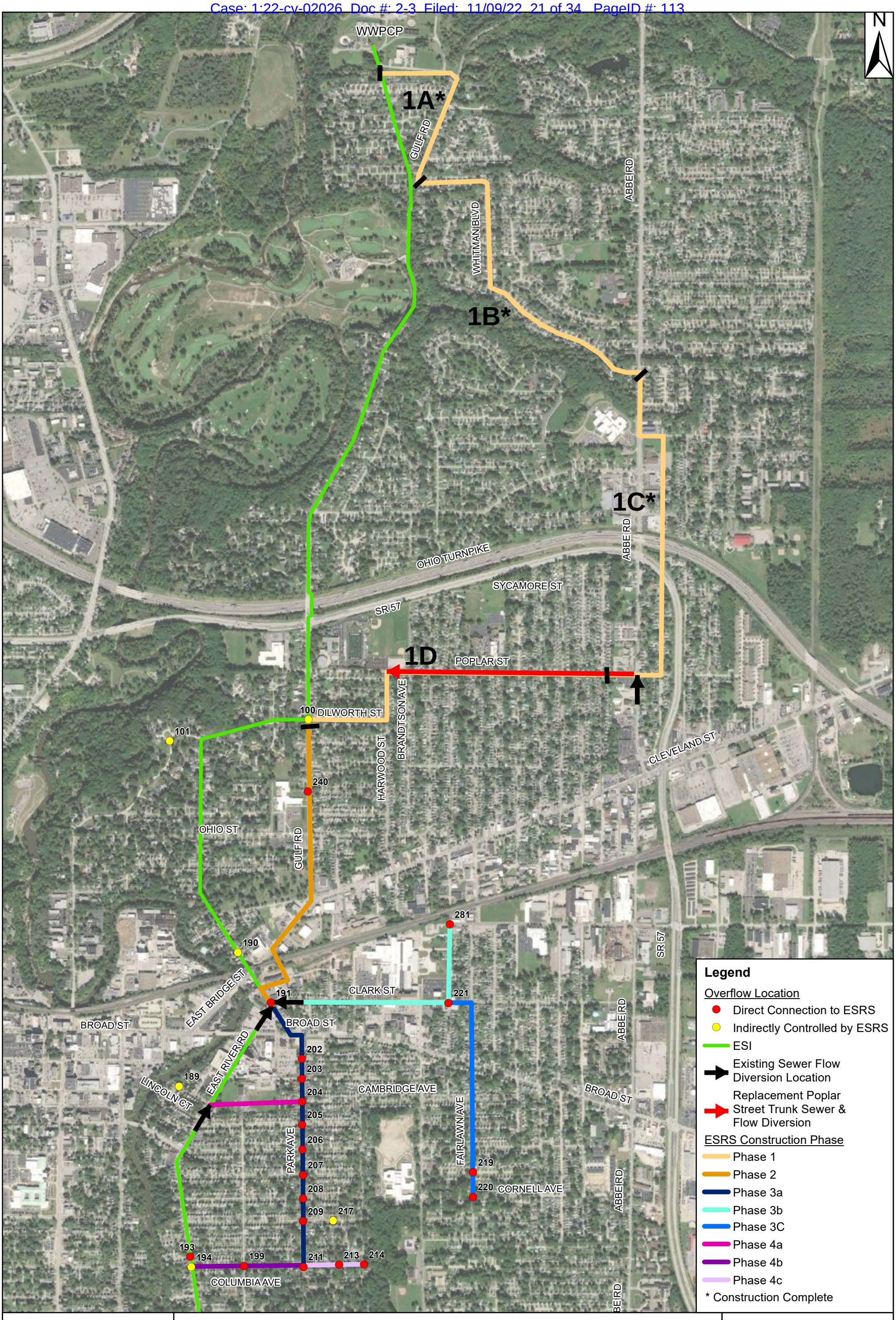
Control Measures		Description of Control Measures	Affected Overflows/ Outfalls[1]	Design Criteria[4, 5, 8]	Performance Criteria[2]	Stage[6]	Critical Milestone for Achievement of Full Operation
		Corrective Action Area.		a. Line the existing mainline sanitary sewer system, the length of which is estimated to be 3,900 feet. b. Disconnect all property roof drains, the number of which is estimated to be 90. c. Disconnect all property footer drains, the number of which is estimated to be 90. d. Line all existing sanitary sewer laterals, the number of which is estimated to be 90. Overflow 310 Corrective Action Area is shown in Attachment 13 to this Appendix.			
21-1	Mendel Court Pump Station Wet Well Expansion	Expansion of the Mendel Court Pump Station wet well capacity.	*N2*	Expand the Mendel Court Pump Station wet well capacity to add an additional 50,000 gallons of useable wet well storage.	Together with Control Measure 21-2, demonstration of SSO elimination using a 10-year, 2-hour storm.	**II**	December 31, 2040
21-2	Overflow N2 RDI/I Control	Implementation of RDI/I control work in the Overflow N2 Corrective Action Area.	*N2*	1. Implement RDI/I control work in the Overflow N2 Corrective Action Area as described below: a. Line the existing mainline sanitary sewer system, the length of which is estimated to be 600 feet. b. Disconnect all property roof drains, the number of which is estimated to be 4. c. Disconnect all property footer	Together with Control Measure 21-1, demonstration of SSO elimination using a 10-year, 2-hour storm.	**II**	December 31, 2040

Control Measures		Description of Control Measures	Affected Overflows/ Outfalls[1]	Design Criteria[4, 5, 8]	Performance Criteria[2]	Stage[6]	Critical Milestone for Achievement of Full Operation
				drains, the number of which is estimated to be 13. d. Line all existing sanitary sewer laterals, the number of which is estimated to be 13. Overflow N2 Corrective Action Area is shown in Attachment 14 to this Appendix.			

Footnotes:

1. Numeric outfalls considered to be SSOs by the agencies are displayed in red italics. Numeric outfalls considered to be CSOs by the agencies are displayed in black text.
2. All Sanitary Sewer Overflows are prohibited. The objective of the work is to eliminate each listed SSO. Demonstration of elimination of each listed SSO is required and shall be done using the design storm specified in the Performance Criteria and in accordance with the relevant post-construction monitoring provisions set forth in Appendix D.
3. The total volume of CSO discharges from all CSOs must not exceed a total of 6 million gallons (MG) in a typical year upon completion of all Appendix C Control Measures. Demonstration that this typical year volume is not exceeded shall be done using the typical year and in accordance with the relevant post-construction monitoring provisions set forth in Appendix D.
4. "Line" shall mean to rehabilitate a sewer such that its susceptibility to infiltration/exfiltration is reduced and its structural integrity is restored. Example methods include cured in place pipe (CIPP) or slip-lining. Complete replacement of pipe is an acceptable alternative to "lining." If CCTV inspection shows that pipe segments (i.e., a section of pipe that is bound by a manhole at each end) are in good condition and not susceptible to infiltration/exfiltration, lining will not be necessary and pipe segments will be reviewed during next CMOM periodic inspection. For the Control Measures that require the disconnection of property footer drains and/or roof drains and the lining of sanitary sewer laterals as the RDI/I control work, the number of identified sanitary sewer laterals, property footer and roof drains to be addressed in the Design Criteria is estimated to be the total number in that Corrective Action Area. If fewer sanitary sewer laterals, property footer and roof drains are found to be connected to the sewer, the number required to be addressed will be those actually found in the Corrective Action Area that are connected.
5. Where new storm sewer construction results in a new stormwater discharge, Elyria shall ensure its new stormwater discharges comply with its Municipal Separate Storm Sewer (MS4) NPDES Permit.

6. "Stage I" refers to the Control Measures to Achieve Full Operation during the first 15 years of Control Measure work implementation. "Stage II" refers to the Control Measure to Achieve Full Operation during the last 10 years of Control Measure work implementation. See Paragraph 11 of the Consent Decree for the provisions applicable to each of these phases.
7. "Typical year" is defined in Section 4.1.4. of Appendix D.
8. The Corrective Action Area maps referenced herein include representations of portions of the Elyria collection system as "Combined," Separate" or "Modified Combined." These representations have been identified by Elyria and do not represent any EPA or Ohio EPA agreement on the representations.



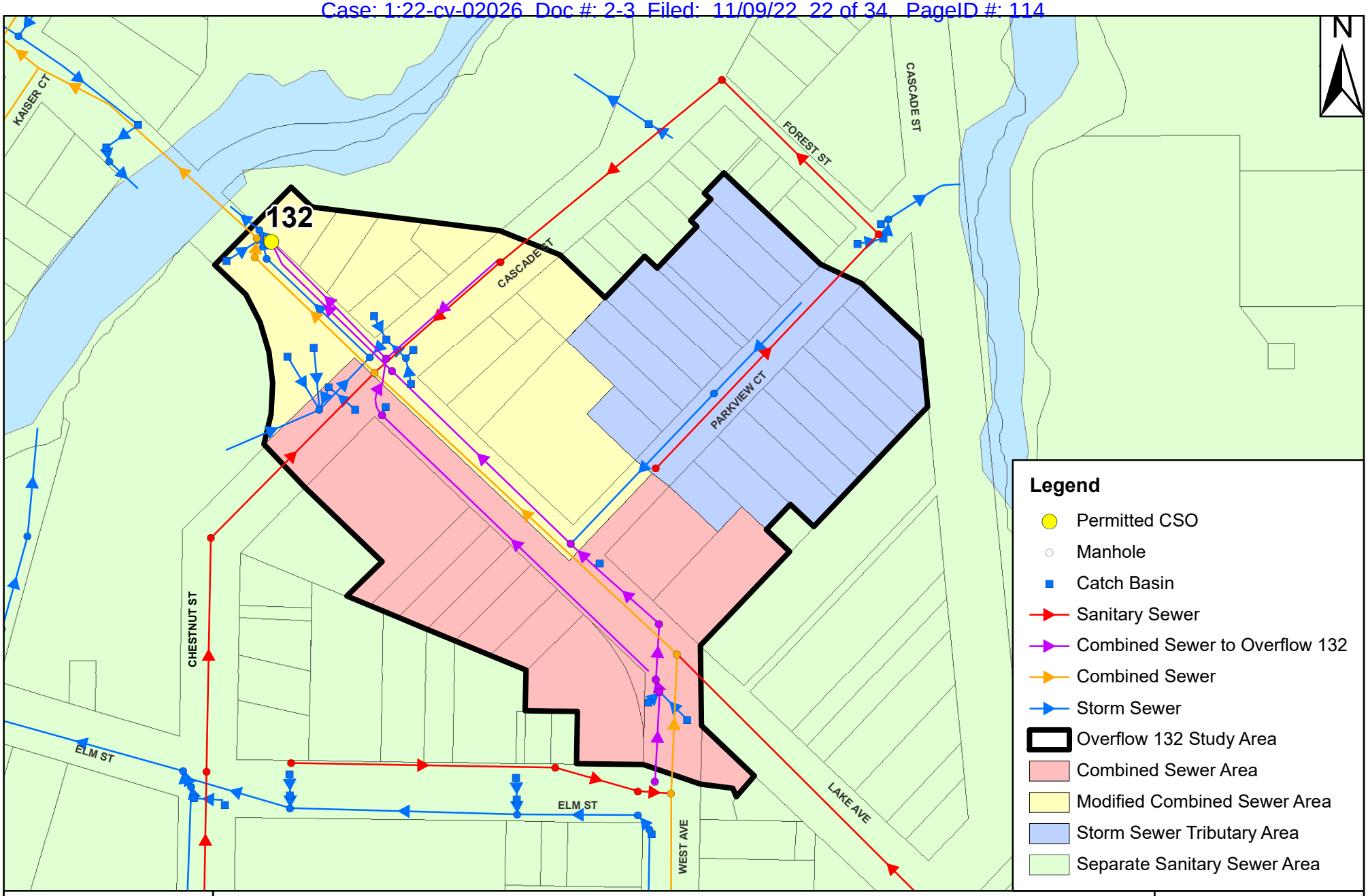
East Side Relief Sewer
Proposed Alignment

1 in = 1,200 feet

0 1,250 2,500 5,000 Feet

March 25, 2022

Appendix C
Attachment 1



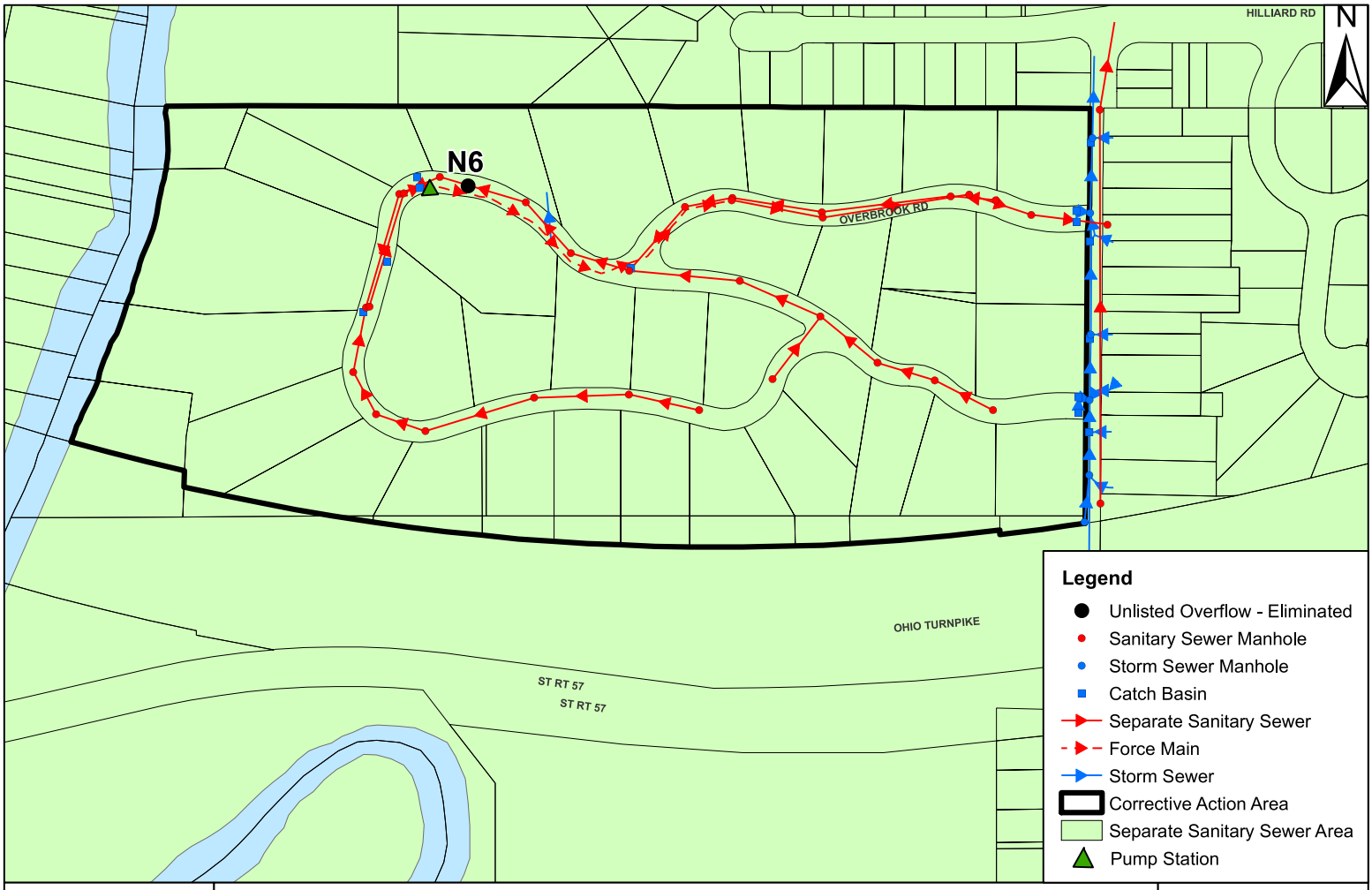
Elyria Wet Weather Plan
Overflow 132 Corrective Action Area

1 in = 150 feet

0 0.025 0.05 0.1 Miles

April 2022

Appendix C
Attachment 2



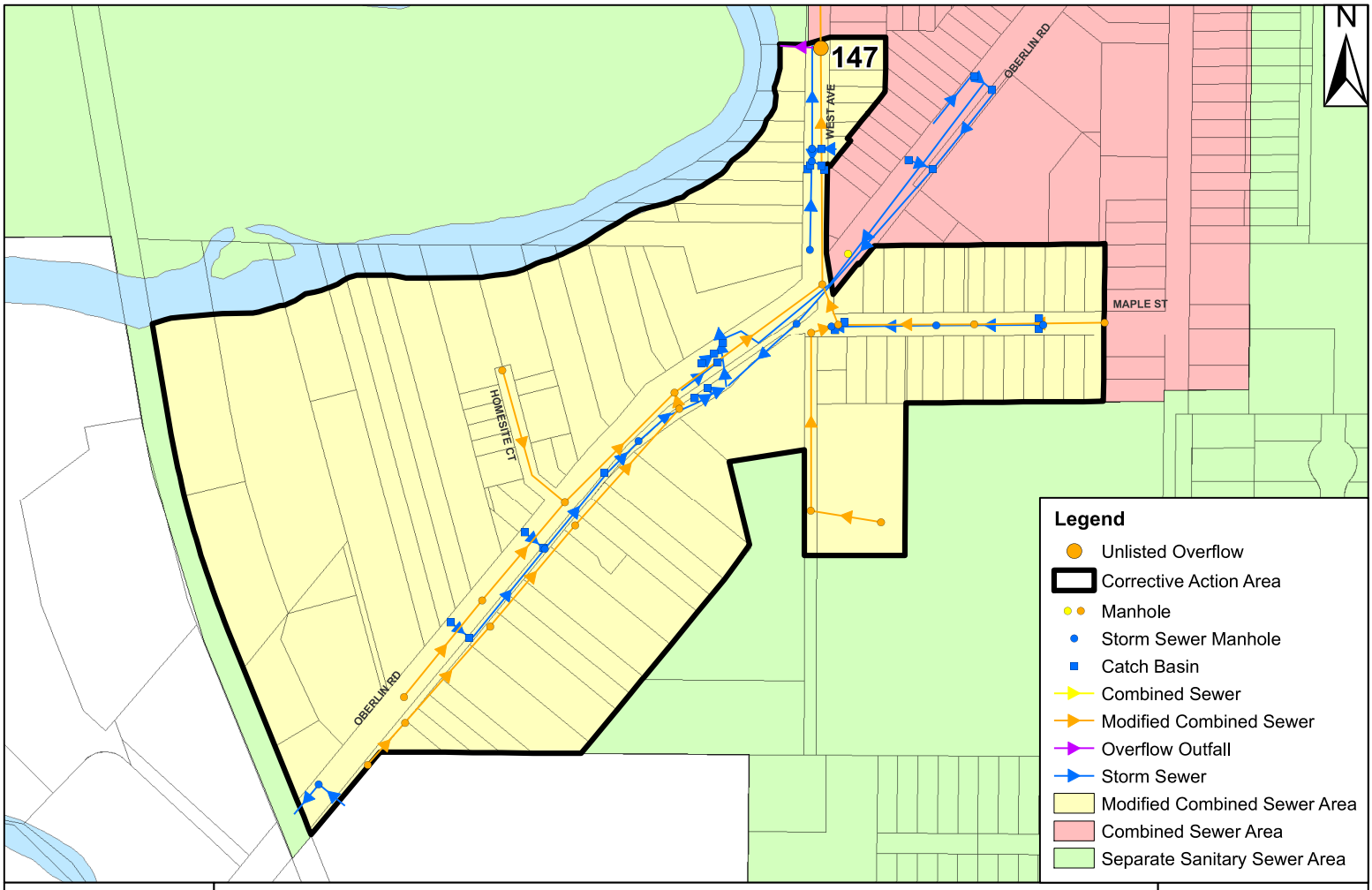
Elyria Wet Weather Plan
Overflow N6 Corrective Action Area

1 in = 300 feet

0 0.05 0.1 0.2 Miles

January 2022

Appendix C
Attachment 3



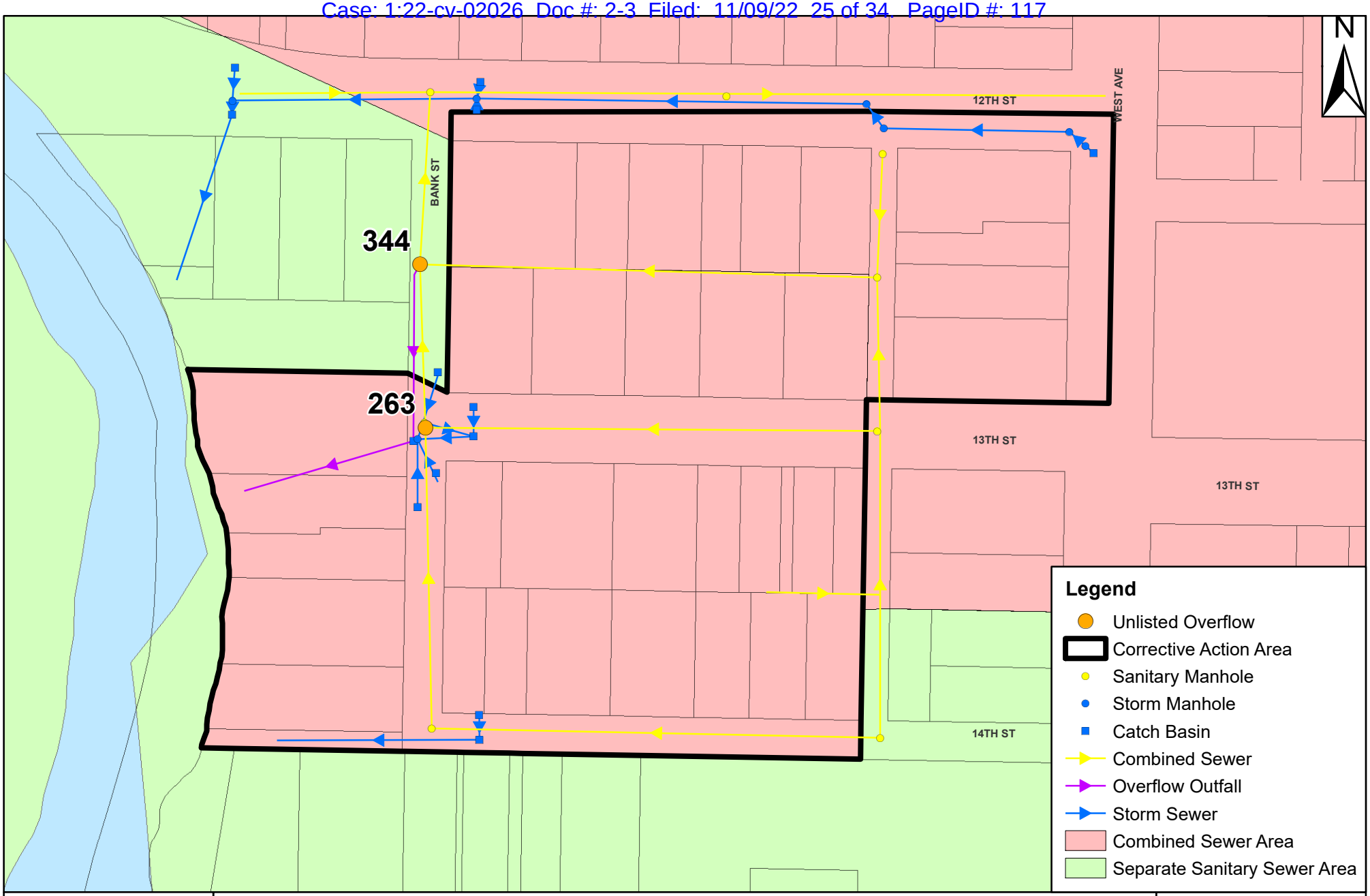
Elyria Wet Weather Plan
Overflow 147 Corrective Action Area

1 in = 325 feet

0 0.05 0.1 0.2 Miles

May 2021

Appendix C
Attachment 4



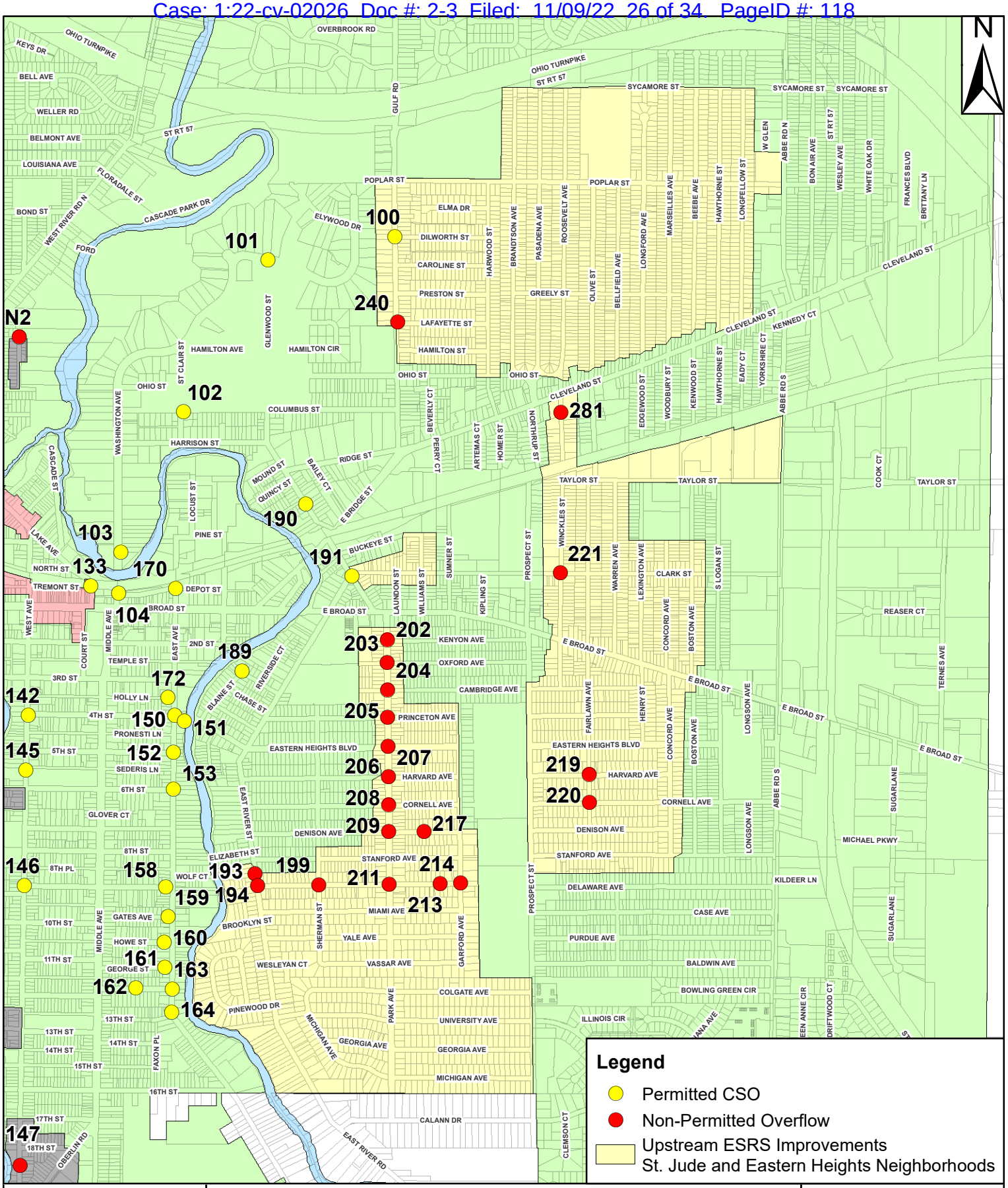
Elyria Wet Weather Plan
Overflow 263 & 344 Corrective Action Area

1 in = 100 feet

0 0.02 0.04 0.08 Miles

October 2022

Appendix C
Attachment 5



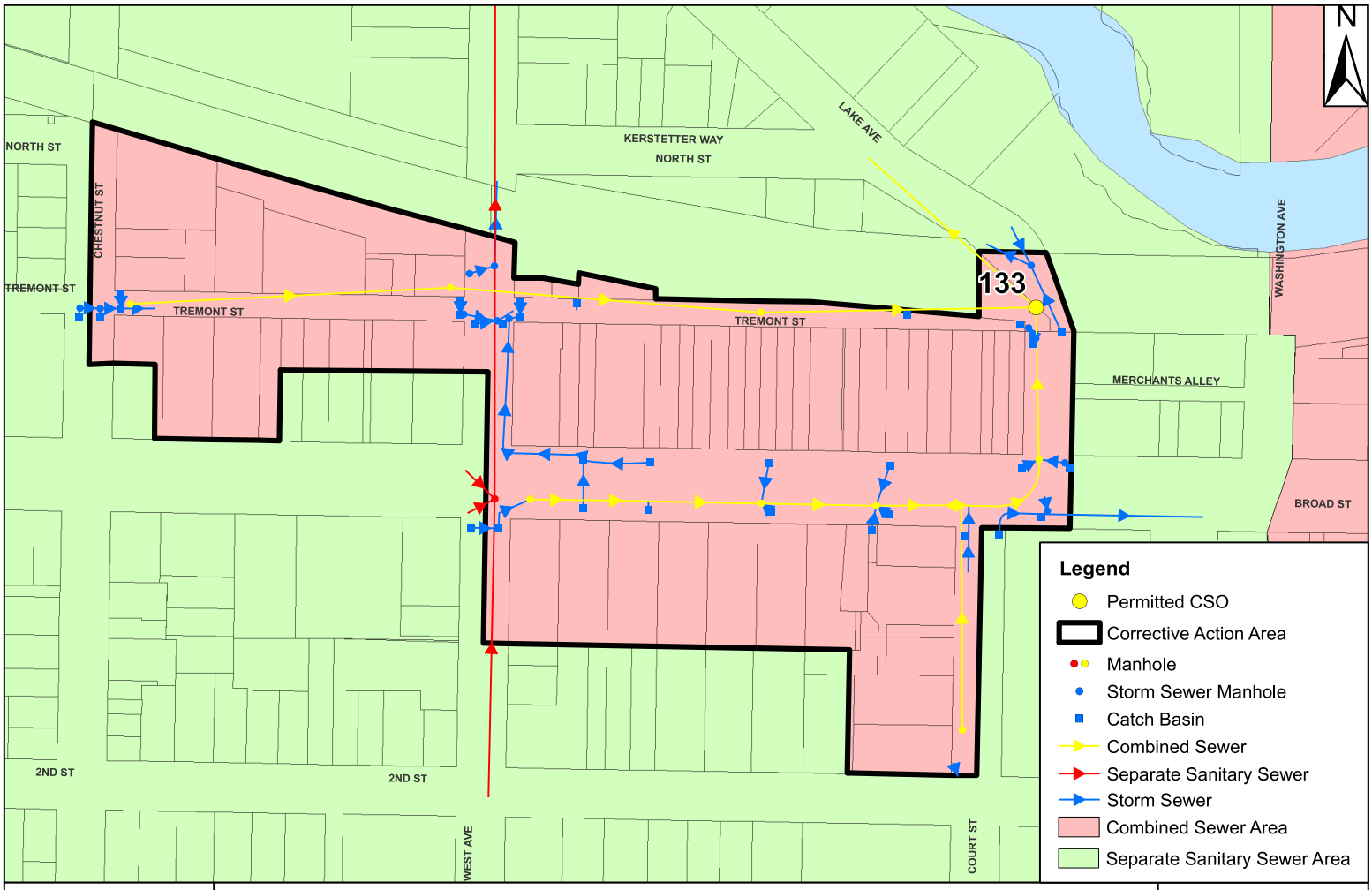
St. Jude and Eastern Heights Neighborhood

1 in = 1,500 feet

0 1,250 2,500 5,000 Feet

September 2022

Appendix C
Attachment 6



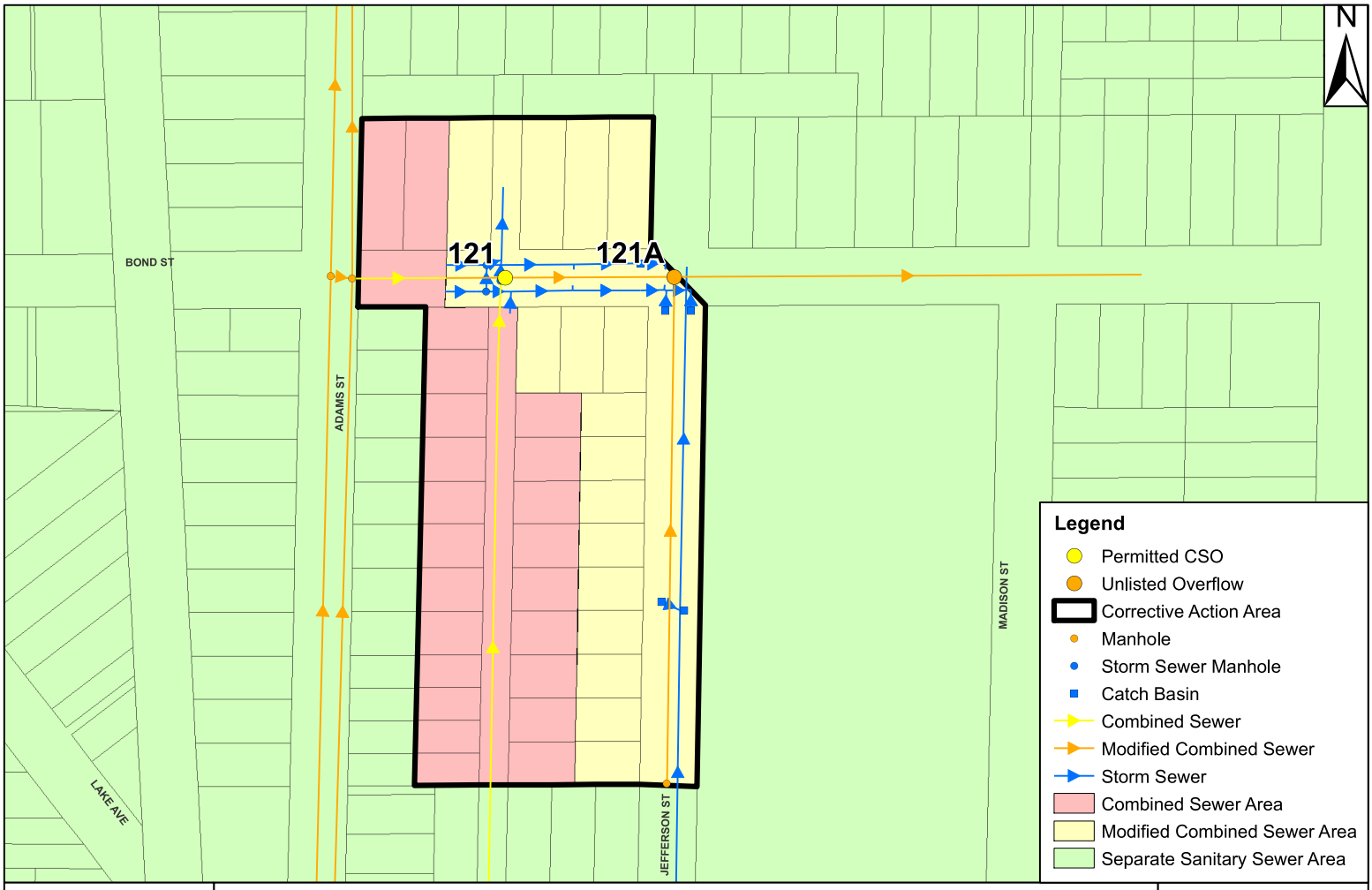
Overflow 133 Corrective Action Area

1 in = 175 feet

0 0.0375 0.075 0.15 Miles

May 2021

Appendix C
Attachment 7



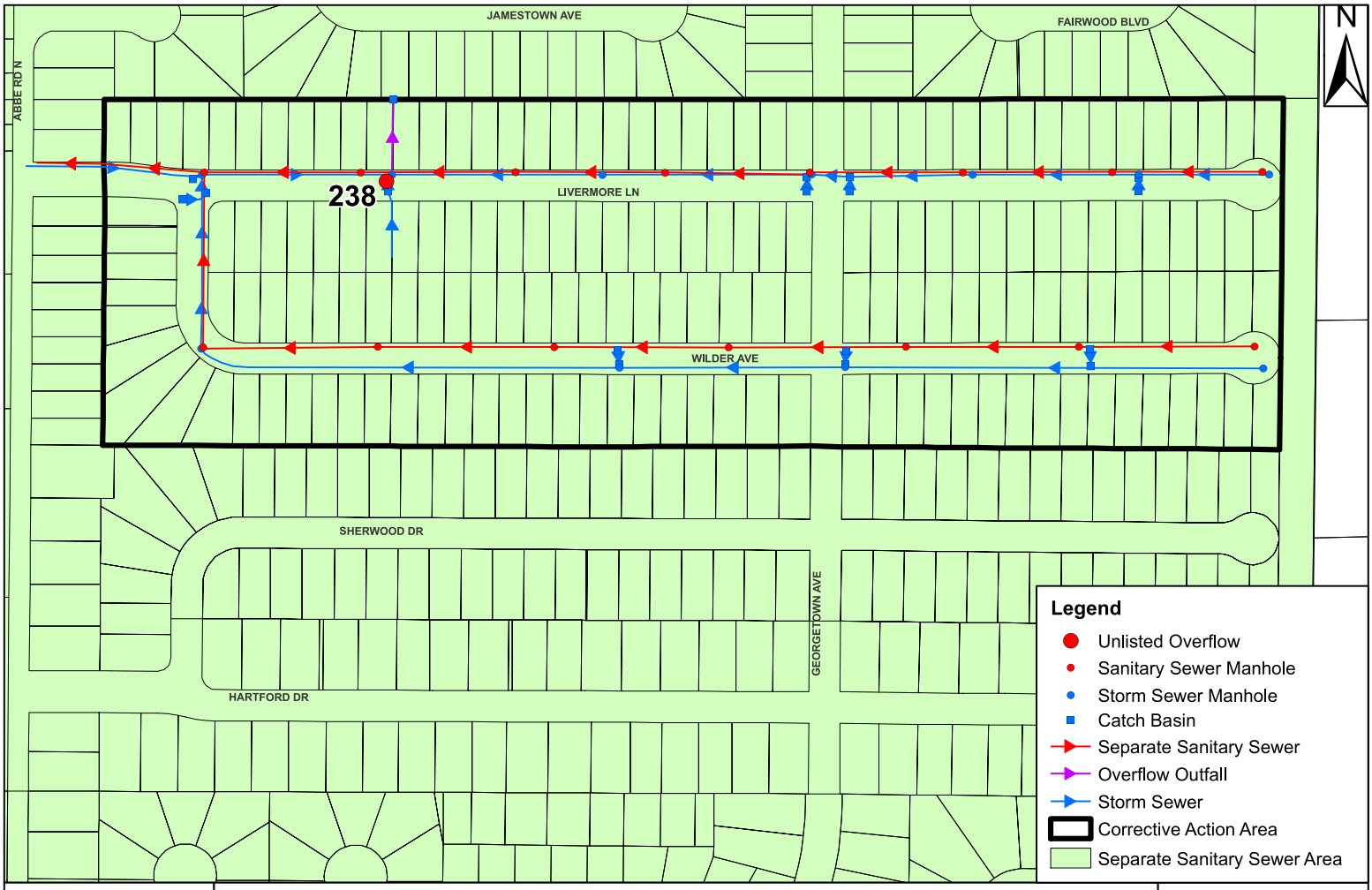
Elyria Wet Weather Plan
Overflow 121A Corrective Action Area

1 in = 150 feet

0 0.0325 0.065 0.13 Miles

May 2021

Appendix C
Attachment 8



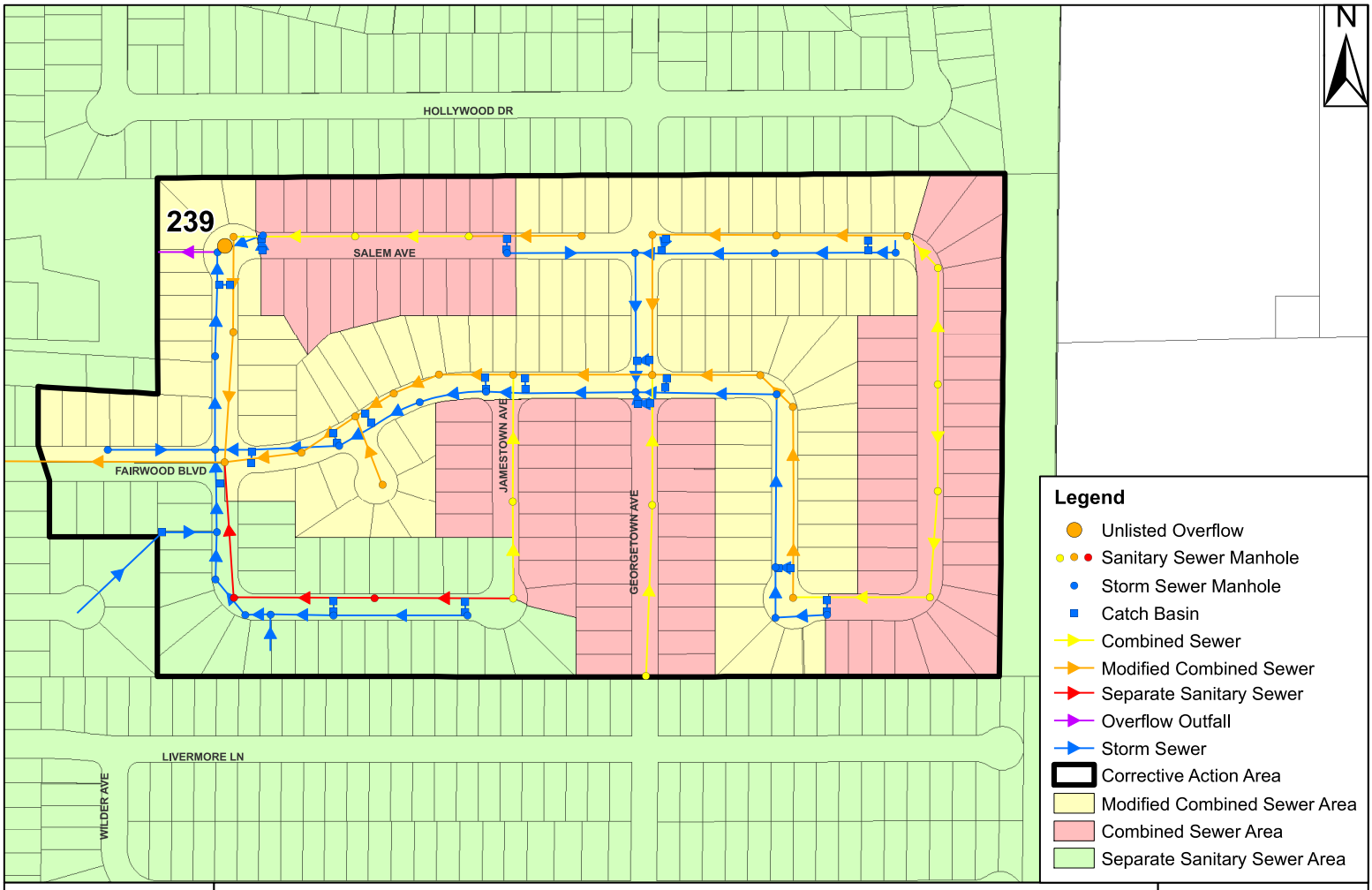
Elyria Wet Weather Plan
Overflow 238 Corrective Action Area

1 in = 250 feet

0 0.05 0.1 0.2 Miles

May 2021

Appendix C
Attachment 9



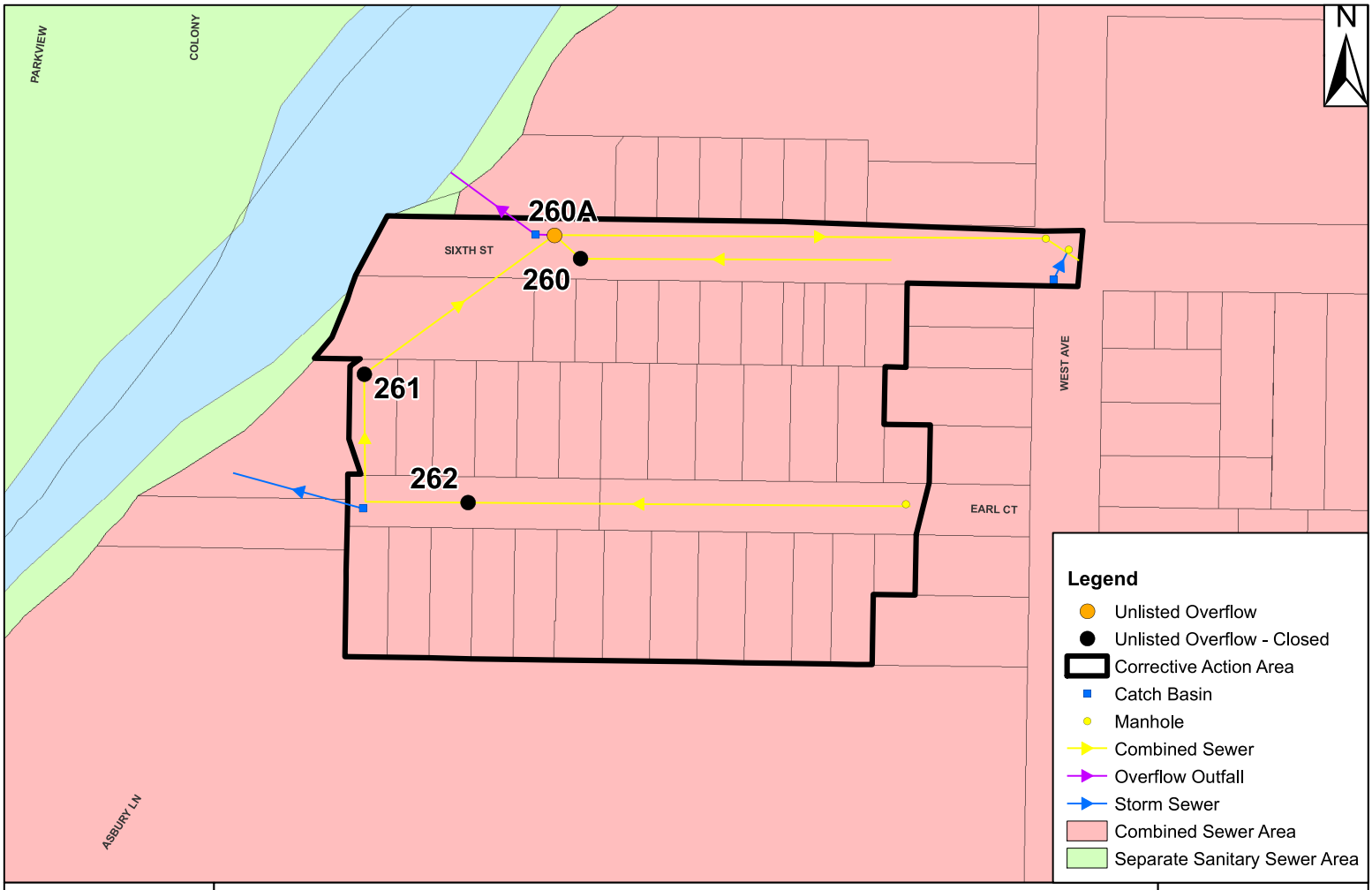
Elyria Wet Weather Plan
Overflow 239 Corrective Action Area

1 in = 300 feet

0 0.075 0.15 0.3 Miles

May 2021

Appendix C
Attachment 10



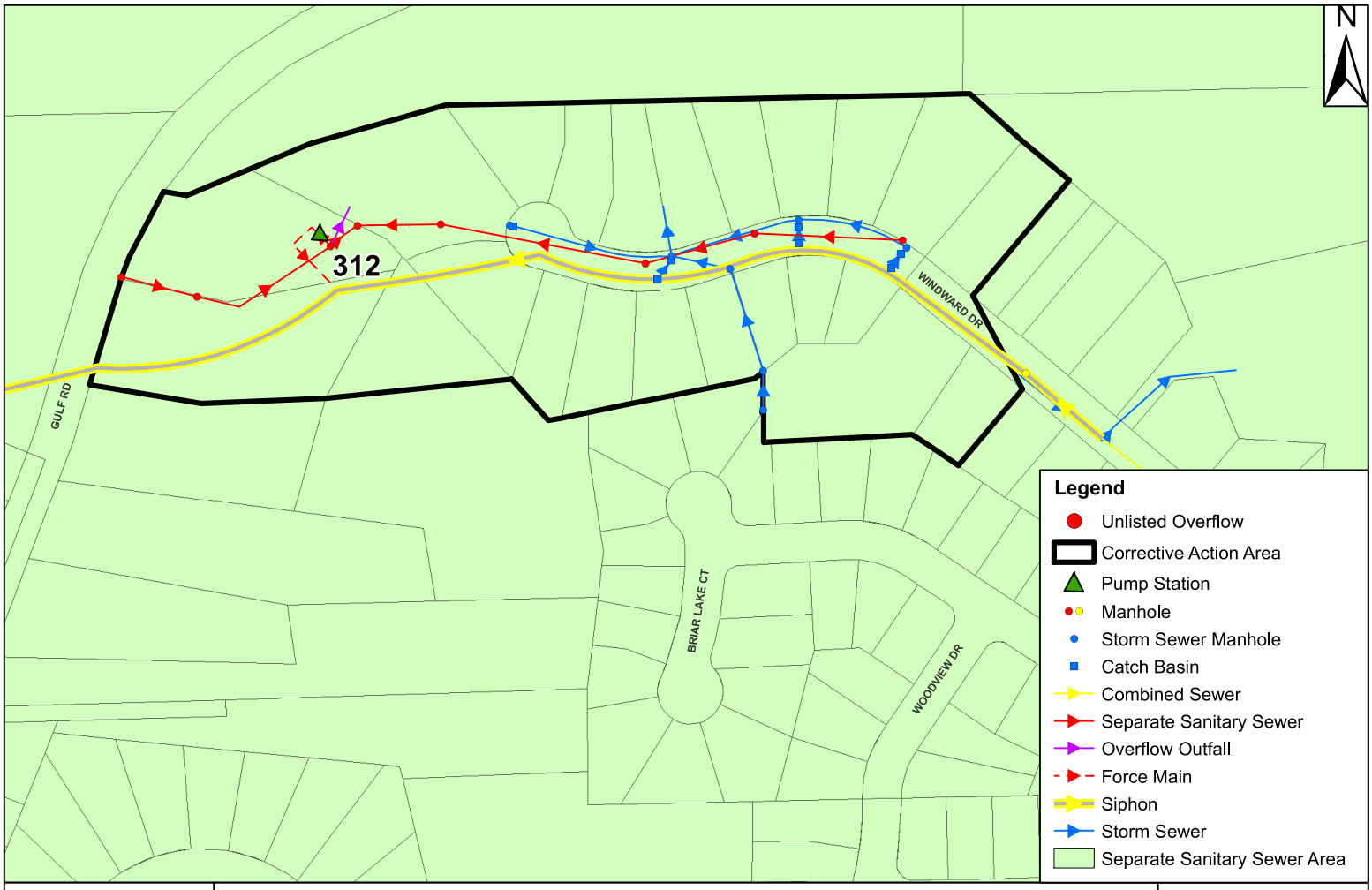
Elyria Wet Weather Plan
Overflow 260A Corrective Action Area

1 in = 125 feet

0 0.025 0.05 0.1 Miles

May 2021

Appendix C
Attachment 11



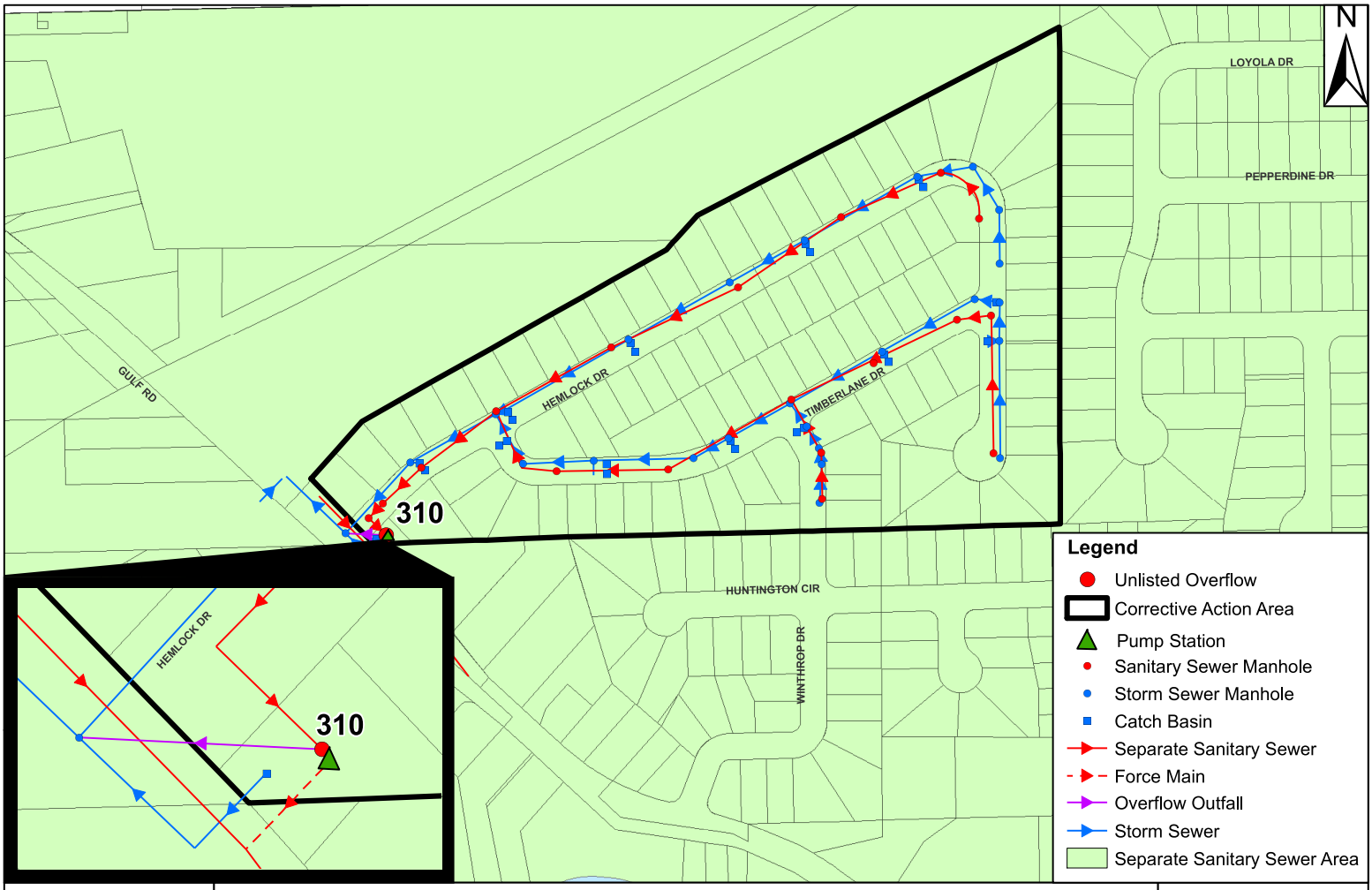
Elyria Wet Weather Plan
Overflow 312 Corrective Action Area

1 in = 200 feet

0 0.0425 0.085 0.17 Miles

May 2021

Appendix C
Attachment 12



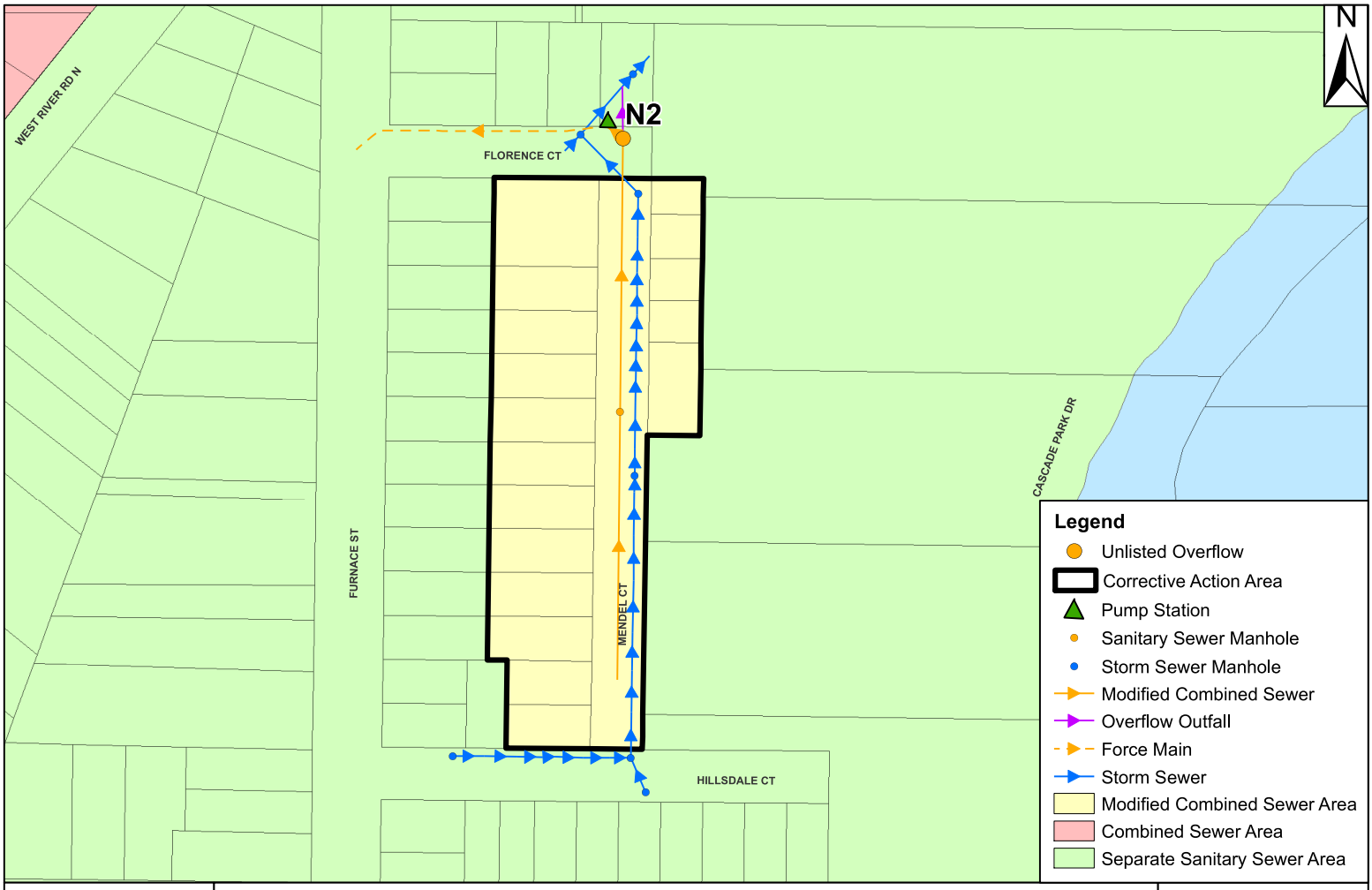
Elyria Wet Weather Plan
Overflow 310 Corrective Action Area

1 in = 300 feet

0 0.05 0.1 0.2 Miles

May 2021

Appendix C
Attachment 13



Elyria Wet Weather Plan
Overflow N2 Corrective Action Area

1 in = 125 feet

0 0.025 0.05 0.1 Miles

May 2021

Appendix C
Attachment 14